SGD:

X - thain set

Mini batch.
$$X$$

batch $= size$.

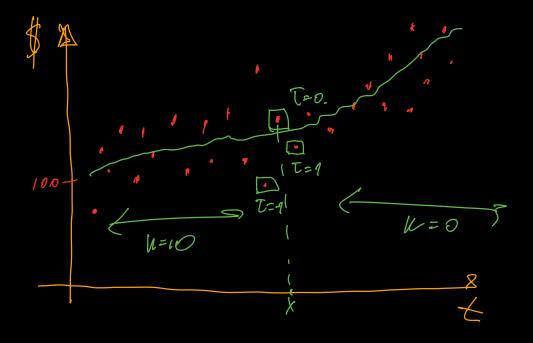
 $X_i \sim 2$
 $X_i \sim 2$

$$Z \in \mathbb{R}^{128}$$

$$h_{i} = Y_{i}(W_{i}^{T} Z_{i}^{128}) \qquad W \in \mathbb{R}^{129} \times \mathbb{R}^{69}$$

$$h_{i} = Y_{i}(W_{i}^{T} h_{i}) \qquad h_{i} \in \mathbb{R}^{69}$$

$$h_{n} = Y_{n}(W_{n} h_{n}), \qquad MLP.$$



T = 10.

